

21-Feb-2019

Order No. **15775199**

Ref. No. **207335463**

Sequence - LacZ-RP

25 nmole DNA Oligo, 36 bases

5'- GAT CTC TAC CAT GGC GCA CAT TTC CCC GAA AAG TGC -3'

Properties

T_m (50mM NaCl)*: 66.8 °C
GC Content: 52.8%
Molecular Weight: 10,965.1
nmoles/OD260: 3.0
µg/OD260: 32.6
Ext. Coefficient: 336,200 L/(mole·cm)

Amount Of Oligo

11.0 = 32.6 = 0.36
OD₂₆₀ nmoles mg
For 100 µM: add 326 µL

Shipped To

DAVID COOK
KANSAS STATE UNIVERSITY-BIOTECHNO
BURT HALL #207
MANHATTAN, KS 66506
USA
7855321362
Customer No. 378741 PO No. 06BF3000

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -3.53 at 25 °C
Strongest Folding T_m: 46.6 °C

Oligo Base Types

DNA Bases Quantity
36

Modifications and Services

Standard Desalting Quantity
1

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Mfg. ID 289505556

207335463 IDT
D.COOK
289505556 21-Feb-2019
LacZ-RP
5'-GAT CTC TAC CAT GGC GCA CAT TTC CCC
GAA AAG TGC-3'
MW = 10,965.1g/mol T_m = 66.8 °C
11.0 OD = 32.6 nmol = 0.36 mg

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LacZ-RP
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11.0 OD = 32.6 nmol = 0.36 mg

I N S T R U C T I O N S

*Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

*Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

*The T_m shown takes no account of Mg²⁺ and dNTP concentrations. Use the OligoAnalyzer® Program at www.idtdna.com/scitools to calculate accurate T_m for your reaction conditions.

M

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